



Hallucinogen s





Learning Objectives

- Identify the different types of hallucinogens.
- Identify how hallucinogens effect the human body.





What are Hallucinogens?

- A class of drugs that cause the user to experience hallucinations and alter reality.
- Hallucinogens are also known as *psychedelic* drugs.
- Hallucinogens can be both natural or synthetic drugs.
- Hallucinogens include LSD, Mescaline and Psilocybin and are sometimes associated with *club drugs* and *raves*.





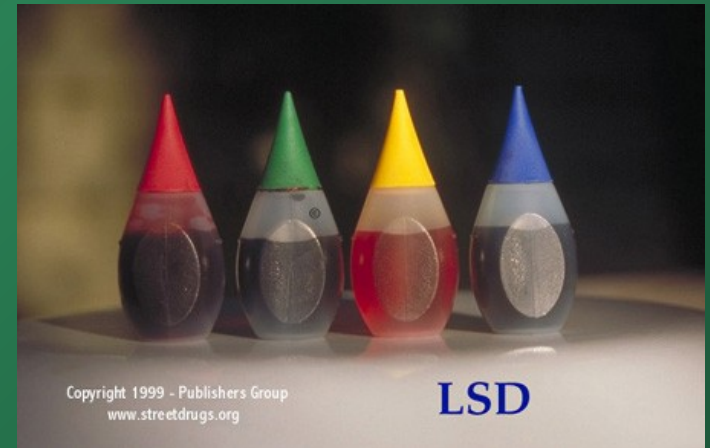
LSD





What is LSD?

- LSD, or d-lysergic acid diethylamide, is a hallucinogenic derived from a parasitic fungus that grows on rye.
- LSD is produced as a crystal, then dissolved in alcohol prior to sale and consumption.
- LSD users describe their experience on the drug as a *trip*.





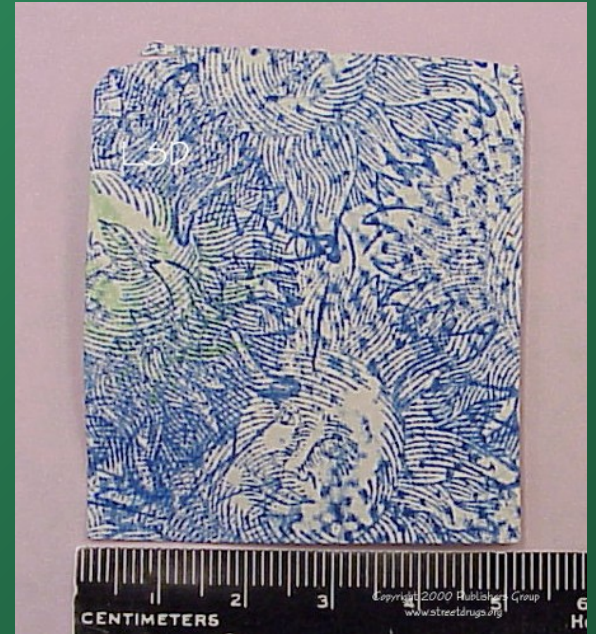
History of LSD

1938 - While researching blood stimulants, Albert Hoffman synthesizes LSD for the first time.

1943 - Albert Hoffman accidentally consumes LSD becoming the first person to consume LSD.

1949 - LSD, and its effects, are studied in Boston and Los Angeles.

1951 - The CIA becomes aware of LSD and begins to experiment with the drug





History of LSD

1952 - The first study is published about treating depression with LSD

1962 - The FDA restricts LSD research & the first LSD related arrests are made.

1963 - LSD is found on the streets for the first time in the form of liquid on sugar cubes.

1967 - Federal government bans LSD in the United States

1970 - LSD is placed in Schedule 1 of the Controlled Substances

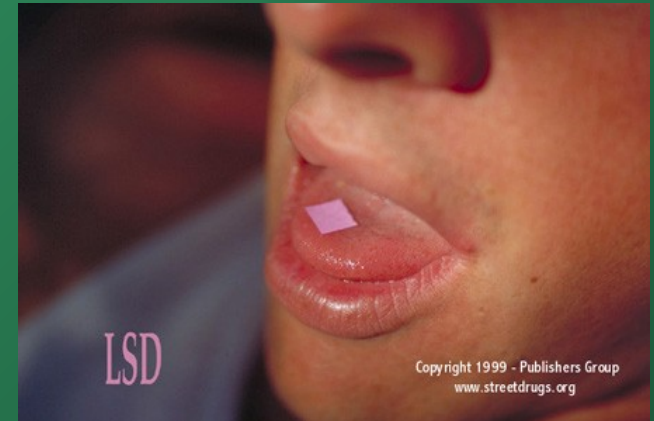




How is LSD Consumed?

LSD is generally taken orally in one of three ways:

- **Pill form**
- **On a piece of blotter paper**
- **Via liquid dripped onto a sugar cube or directly on the users tongue.**
- **Following ingestion, the drug's effects can be felt for 4-8 hours.**





LSD Testing in the Army

- LSD is difficult to test for in urine, even if testing occurs the day after ingestion.
- The Army tests for LSD on a rotational schedule.



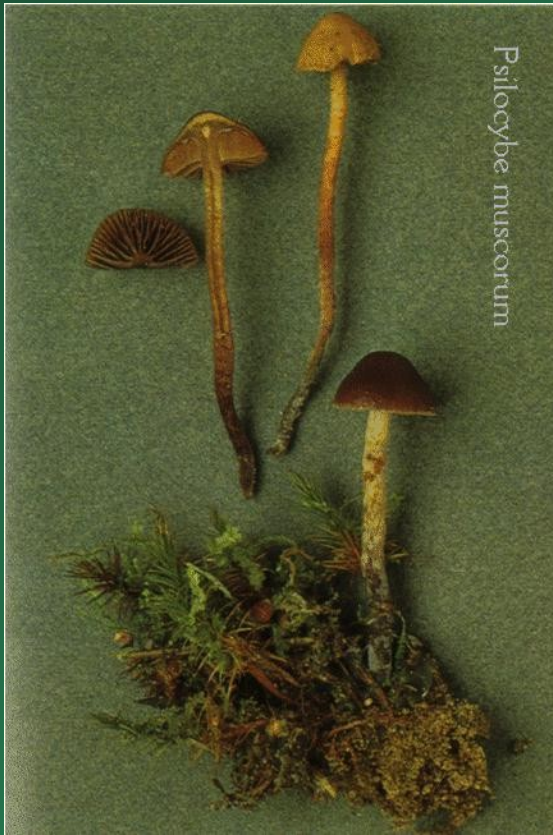


Psilocybin





What is Psilocybin?



- Psilocybin is a form of mushrooms that contain hallucinogenic properties.
- Also known as *magic mushrooms*, psilocybin is classified by the DEA as a Schedule 1 Controlled Substance.
- Hallucinogenic mushrooms have, historically, been used by several cultures during their religious rituals.





How is Psilocybin Consumed?

- Eaten - While the mushrooms are usually dried prior to sale and/or consumption, they can be eaten raw or cooked like regular mushrooms.
- Drank - Heated with water to make a tea or a soup.
- Smoked - The mushroom is ground into a fine powder and often smoked on top of marijuana.





Psilocybin Testing in the Army

- **Psilocybin is detectable for 1-2 days following ingestion.**
- **The Army does not test for psilocybin on a regular basis.**
- **Special procedures MUST be followed during a test for psilocybin.**
- **Contact your local ASAP for assistance and guidance for psilocybin testing.**





Mescaline





What is Mescaline?

- Mescaline is a psychedelic found in several species of cactus.
- Historically, the drug is dried and eaten in a ritual setting because of its hallucinogenic properties.
- Mescaline use was first witnessed in the 1800s where Native American tribes used mescaline during sacred ceremonies.
- In 1919 mescaline also became the first psychedelic



Mescaline Powder
Photo by Good Corruption, © 2001 Erowid.org





What is Mescaline?

- Generally, mescaline is a small button shaped cactus 2"-5" in diameter.
- Mescaline is not readily available for recreational use because it takes up to fifteen years for a single dose to mature.
- Mescaline is a Schedule 1 substance in the United States.



Lophophora williamsii (Peyote)
Photo by JeeLiX, © 2002 Erowid.org





Mescaline Testing in the Army

- Mescaline is detectable for 1-2 days following ingestion.
- The Army does not test for mescaline on a regular basis.
- Contact your local ASAP for assistance and guidance for mescaline testing.





Effects of Hallucinogen s





Physical Effects of Hallucinogens

- Dilated Pupils
- Increase Body Temperature
- Increased Heart Rate
- Increased Blood Pressure
- Extreme Sweating
- Loss of Appetite
- Sleeplessness
- Dry Mouth
- Body Tremors
- Nausea
- Loss of Motor Skills
- Loss of Coordination
- Seizures





Psychological Effects

- **Vivid hallucinations**
- **Loss of depth perception**
- **Sensation of floating**
- **Loss of thought process control**
- **Fusion of the senses**
- ***Bad Trips***
- **Distorted Perception of Time.**





Hallucinogens and Flashbacks

- Flashbacks are a long term side effect of hallucinogens.
- Flashbacks are spontaneous, unpredictable recurrences of the effects of hallucinogens without ingestion of the drug.
- There are three types of flashbacks:
 - Emotional
 - Somatic
 - Perceptual





Additional Information

**Additional information on PCP
can be found by contacting the
Army Substance Abuse Program
or by visiting
www.acsap.army.mil.**





WARRIOR

P**ersonal Courage:** Possess the Personal Courage not to use drugs or abuse alcohol and to notify the Chain of Command of Soldiers that do.

R**espect:** Show your Respect to the Army, your unit, fellow Soldiers, and yourself by staying drug free and drinking responsibly.

I**ntegrity:** Stay true to the Army Values and Warrior Ethos by supporting the Army's drug and alcohol policies.

D**uty:** Do your duty as a Soldier and stay mentally and physically tough by not using drugs or abusing alcohol.

E**xcellence:** Exhibit honorable behavior on and off duty - don't be a substance abuser!